

*ADP Control
Officers*

ODP-81-391
30 March 1981

MEMORANDUM FOR: Information Handling Systems Architect
Chairman, Committee on Agency-wide Software
Engineering Standards
NPIC ADP Control Officer
OC ADP Control Officer
Deputy Director for Processing, ODP
Chief, Engineering Division, ODP

STAT FROM : [REDACTED]
Chief, Management Staff, ODP

SUBJECT : Hardware and Data Transmission Standards

1. The attached Federal Register announcement requests comments on proposed standard terminology for use in solicitation documents and guidance regarding application of Federal Information Processing Standards Publication (FIPS PUB) 71, Advanced Data Communications Control Procedures (ADCCP) and Federal Standard (FED-STD) 1003, Synchronous Bit-Oriented Data Link Procedures.

2. Please provide comments by 9 April 1981, so that a consolidated Agency response for the General Services Administration can be prepared. If you have any questions, please call [REDACTED] of my staff on [REDACTED]

STAT
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Attachment: a/s

STAT ODP/MS/EEB:chm/([REDACTED])(30March1981)(hardware)(red disk)

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January 13, 1981

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Highlights

General Services Administration

RULES

- 3021 Property management:
ADP and telecommunications; use of standard terminology in solicitation documents, etc.; temporary

Automated Data and Telecommunications Service

41 CFR Ch. 101

[FPMR Temp. Reg. F-497]

Hardware and Data Transmission Standards; Temporary Regulations

AGENCY: Automated Data and
Telecommunications Service, General
Services Administration.

ACTION: Temporary regulations.

SUMMARY: This regulation provides standard terminology to be used in solicitation documents and guidance regarding the application of Federal Information Processing Standards Publication (FIPS PUB) 71, Advanced Data Communications Control Procedures (ADCCP), and Federal Standard (FED-STD) 1003, Synchronous Bit-Oriented Data Link Procedures (Advanced Data Communication Control Procedures). The publication of FIPS PUB 71 and FED-STD 1003, both addressing the same technical area yet
FIPS PUB/FED-STD, created the need for this action. The intent of this regulation is to

provide a uniform basis upon which agencies can determine which standard to apply.

DATES: Effective date: February 12, 1981. Expiration date: September 30, 1982. Comments due on or before: April 13, 1981.

ADDRESS: Comments should be addressed to: General Services Administration (CPEP), Washington, DC 20405.

FOR FURTHER INFORMATION CONTACT: David R. Mullins, Procurement Policy and Regulations Branch (CPEP), Policy and Analysis Division (202-566-0194).

SUPPLEMENTARY INFORMATION: The General Services Administration has determined that this regulation will not impose unnecessary burdens on the economy or on individuals and, therefore, is not significant for the purposes of Executive Order 12044. (Sec. 205(c), 63 Stat. 390; 40 U.S.C. 486(c))

In 41 CFR Chapter 101, the following temporary regulation is added to the Appendix at the end of Subchapter F to read as follows:

January 6, 1981.

Federal Property Management Regulations; Temporary Regulation F-497

To: Heads of Federal agencies
Subject: Hardware and data transmission standards

1. *Purpose.* This regulation provides standard terminology to be used in solicitation documents and guidance regarding application of Federal Information Processing Standards Publication (FIPS PUB) 71, Advanced Data Communications Control Procedures (ADCCP), and Federal Standard (FED-STD) 1003, Synchronous Bit-Oriented Data Link Procedures (Advanced Data Communication Control Procedures).

2. *Effective date.* This regulation is effective February 12, 1981, but may be observed earlier.

3. *Expiration date.* This regulation expires September 30, 1982.

4. *Background.* a. The publication of FIPS PUB 71 and FED-STD 1003, both addressing the same technical area yet not published as a joint FIPS PUB/FED-STD, created the need for this action. The intent of this regulation is to provide a uniform basis upon which agencies can determine which standard to apply; both standards are intended to reduce costs of data transmission networks and ensure interoperability.

b. FIPS PUB 71 establishes data link control procedures for data processing systems, equipment, and services using synchronous, bit-oriented data

communications. FED-STD 1003 specifies the frame structure, elements of procedure, and classes of procedure for data communications systems that transmit synchronous binary data. The two standards are technically consistent, except that FED-STD 1003 contains additional requirements necessary to ensure interoperability with National Communications System (NCS) component networks.

c. The Department of Commerce plans to issue FIPS PUB 78, Guideline for Implementing Advanced Data Communication Control Procedures (ADCCP). This FIPS PUB will contain guidance regarding the planning, acquisition, and operation of ADCCP.

5. *Explanation of changes.* Two new sections are added to Subpart 101-36.13: a. A new subsection is added to FPMR section 101-36.1304 as follows:

§ 101-36.1304-X FIPS PUB 71, Advanced Data Communications Control Procedures

(a) FIPS PUB 71 provides that it shall be applied in the design and procurement of all ADP systems, ADP terminal equipment, and ADP services that are to be employed in computer networking or teleprocessing environments that use bit-oriented synchronous data communications. Requirements for interoperability with telecommunications networks embodying National Communications System (NCS) facilities are not provided for in FIPS PUB 71. Therefore, FED-STD 1003 (and not FIPS PUB 71) should be used in the design and procurement of data communications systems and equipment using bit-oriented link control procedures when an agency determines that NCS interoperability requirements are needed.

(b) Applicability waiver authority for FIPS PUB 71 is vested in the Secretary of Commerce rather than in the agency having the ADP requirement. Therefore, each agency should be aware that if waivers are considered appropriate, requests should be initiated early in the agency requirements determination process to avoid delay.

Note.—When bit-oriented data link control procedures are not used, FIPS PUB 71 is not applicable; therefore, waiver procedures do not apply.

(c) In determining interoperability requirements, an agency should recognize the requirements of Presidential Directive/NSC-53, dated November 15, 1979, regarding national security telecommunications policy.

(d) Before the acceptance of applicable ADP equipment or service required to conform to FIPS PUB 71, this conformance shall be verified by

demonstration or other means acceptable to the Government.

(e) The standard terminology for use in solicitation documents is:

Unless a waiver is granted following the procedures specified in FIPS PUB 71 or unless the Government's requirements include interoperability with the component networks of the National Communications System (NCS), all ADP systems, equipment, and services that are to be employed in computer networking or teleprocessing environments using bit-oriented synchronous data communications, offered as a result of this solicitation, will implement the class(es) of procedures specified in FIPS PUB 71 as stated therein.

Note.—FED-STD 1003 (and not FIPS PUB 71) is applicable when (1) the system, equipment, or services offered as a result of this solicitation use bit-oriented synchronous data link control procedures; (2) the Government determines that it has a requirement for interoperability with NCS component networks; and (3) the equipment is not being procured as replacement for, or extension to, existing systems that do not use bit-oriented data link control procedures.

b. A new subsection is added to FPMR section 101-36.1308 as follows: § 101-36.1308-X FED-STD 1003,

Synchronous Bit-Oriented Data Link Control Procedures (Advanced Data Communication Control Procedures)

(a) FED-STD 1003, shall be applied in the design and procurement of systems and equipment by the Federal Government that use synchronous bit-oriented data link control procedures and that are determined by the requiring agency to require interoperability with the component networks of the National Communications System (NCS). The standard also provides that its application is not mandatory for equipment that is being procured as a complete or partial replacement for, or extension to, existing systems that do not use bit-oriented data link control procedures.

(b) In determining interoperability requirements, an agency should recognize the requirements of Presidential Directive/NSC-53, dated November 15, 1979, regarding national security telecommunications policy.

(c) The standard terminology for use in solicitation documents is:

All data communications systems and equipment using bit-oriented data link control procedures, offered as a result of this solicitation, will implement the class(es) of procedure specified in FED-STD 1003 as stated therein unless the Government determines that it does not have a requirement for interoperability with National Communications System

(NCS) facilities or unless the equipment is being procured as replacement for, or extension to, existing systems that do not use bit-oriented data link control procedures.

Note.—When the Government does not have a requirement for interoperability with NCS facilities, FIPS PUB 71 (and not FED-STD 1003) shall apply to all ADP systems, equipment, and services that are to be employed in computer networking or teleprocessing environments offered as a result of this solicitation.

6. *Comments.* Comments are invited concerning the effect or impact of this regulation and the policy and procedures that should be adopted in the future. Comments should be forwarded to the General Services Administration (CPEP), Washington, DC 20405, on or before April 13, 1981.

7. *Effect on other directives.* This temporary regulation supplements 41 CFR Chapter 101, Subchapter F (Part 101-36).

Ray Kline

Acting Administrator of General Services.

[FR Doc. 81-1144 Filed 1-12-81; 8:45 am]

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